## REMARKS

Entry of the foregoing amendments to the claims and withdrawal of the rejections of the claims is respectfully requested.

Claims 1 and 3-7 are currently pending in this application with claims 1 and 4 amended herein. No new matter has been added.

The office action rejects claims 1 and 3-7 under 35 U.S.C. § 103(a) as unpatentable over U.S. Published Patent Application No. 2001/0046223 to Makli in view of U.S. Published Patent Application No. 2003/0179742 to Ogier. Withdrawal of this rejection in view of the foregoing amendments and following remarks is requested.

As best understood, the relied upon portions of Milki et al. fail to teach the duplication of a binding cache on a receipt of a location registration and obtaining the contents of the binding cache from the duplicated binding cache and delete the location of said mobile terminal, as the Examiner has already noted at page 4 in the Office Action. For this reason, the office action relies on Ogier, which as best understood, teaches maintaining the duplication of a binding cache on at the node and using the duplication of a binding cache to optimize a transferring route and deletes the location information of said mobile terminal.

But claim 1 has been amended to indicate that the duplication of the binding cache is maintained and managed for a back up purpose. As recited in claim 1, as amended, on restoration of the node from a failure, each node obtains the contents of the binding cache as generated before the node failure from the duplicated binding cache. Further, claim 1 recites that when no response is received against the location registration request, the node determines the obtained binding cache as invalid, and deletes the location information of said mobile terminal.

This is possible because the duplication of the binding cache is maintained and managed <u>for</u> <u>backup purposes</u>.

The relied upon portions of Ogier teach that when a node receives a packet whose destination IP address is ALL_MANET_NODES, it checks its duplicate cache for an entry that matches the packet. If such an entry exists, the node silently discards the flooded packet since it has been received (see paragraph 0867, lines 4 8). Thus, in Ogier the duplicated cache is used to check with the destination IP address of flooded packets.

Accordingly, Ogier fails to teach the duplicated cache is maintained and managed <u>for a</u> <u>back up purpose</u> until restoration of a node from a failure, and when no response is received against a location registration request, each node determines the obtained binding cache as invalid, and deletes the location information of a mobile terminal. In view of the foregoing, it is submitted that independent claim 1 patentably distinguishes over the relied upon portions of Malik and Ogier and is allowable.

As for the independent claim 4, similar to claim 1, it recites that duplicated contents of the binding cache are maintained and managed for backup purpose, and when no response is received from the mobile terminal against the location registration request, the node deletes the location information of the mobile terminal from the binding cache. Accordingly, the above arguments discussed for claim 1 is also applicable to claim 4, which is therefore also allowable.

Claims 3 and 5-7 are dependent on claim 1, 4 and intervening claims. Accordingly, the above arguments presented for independent claims 1 and 4 should be applied to the dependent claims 3 and 5-7, which are therefore allowable therewith.

# CONCLUSION

In view of the remarks set forth above, this application is in condition for allowance which action is respectfully requested. However, if for any reason the Examiner should consider this application not to be in condition for allowance, the Examiner is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper may be charged to Deposit Account No. 50-1290.

Respectfully submitted,


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